

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|------------------------------------------------|---------------------------------------|------------------|---------|---------------------|
| S1 | 4 | ((FRIEDRICH) near2 (STOCKL)). INV. | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 14:11 |
| S2 | 7 | ((KARL) near2 (AMMER)).INV. | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 14:11 |
| S3 | 3 | ((GUNTER) near2 (NELBOCK)). INV. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 14:11 |
| S4 | 11 | S1 S2 S3 | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 14:11 |
| S5 | 231 | 192/53.34.ccls. not S4 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 14:11 |
| S6 | 22 | 192/53.34.ccls. not S4 and sinter \$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 14:18 |
| S7 | 33 | S1 S2 S3 S6 | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 15:43 |
| S8 | 79 | 192/53.32.ccls. not S7 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 15:43 |
| S9 | 4 | 192/53.32.ccls. not S7 and sinter \$3 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 15:43 |
| S10 | 37 | S1 S2 S3 S6 S9 | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 15:53 |
| S11 | 166 | 192/53.1.ccls. not S10 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 15:54 |
| S12 | 5 | 192/53.1.ccls. not S10 and sinter \$4 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 15:59 |
| S13 | 42 | S1 S2 S3 S6 S9 S12 | US-PGPUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 16:08 |
| S14 | 1676 | (192/107R,108.ccls.) not S10 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 16:09 |
| S15 | 109 | (192/107R,108.ccls.) not S10 and synchro\$8 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 16:10 |

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|-----|--------|--------------------------------------------------------------------|---------------------------------------|----|----|---------------------|
| S16 | 149 | S1 S2 S3 S6 S9 S12 S15 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 17:34 |
| S17 | 199263 | "29".clas. | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:31 |
| S18 | 5187 | "29".clas. not S16 and synchro \$8 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:32 |
| S19 | 12 | "29".clas. not S16 and synchro \$8 and blocker | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:32 |
| S20 | 161 | S1 S2 S3 S6 S9 S12 S15 S19 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:39 |
| S21 | 207 | "29".clas. not S20 and synchro \$8 and sinter\$4 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:39 |
| S22 | 47 | "29".clas. not S20 and synchro \$8 and sinter\$4 and lubrica\$4 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:40 |
| S23 | 208 | S1 S2 S3 S6 S9 S12 S15 S19 S22 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 18:59 |
| S24 | 77 | 192/53.34.ccls. not S23 and block\$3 | US-PGRUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 19:01 |
| S25 | 12 | 192/53.34.ccls. not S23 and block\$3 and lubrica\$4 | US-PGRUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 19:01 |
| S26 | 220 | S1 S2 S3 S6 S9 S12 S15 S19 S22 S25 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:15 |
| S27 | 73 | 192/53.32.ccls. not S26 | US-PGRUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 19:16 |
| S28 | 3 | 192/53.32.ccls. not S26 and block\$3 and lubrica\$4 | US-PGRUB; USPAT; EPO; JPO | OR | ON | 2009/06/04 19:16 |
| S29 | 223 | S1 S2 S3 S6 S9 S12 S15 S19 S22 S25 S28 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:18 |
| S30 | 52 | F16D013/24.ipc. not S29 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:18 |
| S31 | 275 | S1 S2 S3 S6 S9 S12 S15 S19 S22 S25 S28 S30 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:48 |
| S32 | 230 | 192/53.32,53.34.ccls. not S31 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:48 |

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| S33 | 44 | 192/53.32,53.34.cds. not S31 and blocker | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 19:49 |
| S34 | 8 | 192/53.1,53.32,53.34.cds. and block\$3 and sinter\$4 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 21:34 |
| S35 | 21 | ("3700083" "4267912" "4413715" "4566568" "4677868" "4732247" "4823631").PN. OR ("5135087"). URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2009/06/04 21:45 |
| S36 | 10 | "508976" | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 21:59 |
| S37 | 40 | ("2190964" "2221900" "2364331" "2478355" "2488044" "2993579" "3035674" "3272291" "3366208" "3414098" "3700083" "4428469" "4584892" "4660707" "4776228" "4809832" "4828087" "4830158" "4842112" "4875566" "4889003" "5036719" "5113986" "5131285" "5269400" "5339936").PN. OR ("5620075").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2009/06/04 22:23 |
| S38 | 363 | S1 S2 S3 S6 S9 S12 S15 S19 S22 S25 S28 S30 S33 S34 S35 S36 S37 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 22:37 |
| S39 | 174 | 192/53.32,53.34.cds. not S38 | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/04 22:37 |
| S40 | 3 | ("4698889" "5788036" "6588563").PN. OR ("7134537"). URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2009/06/04 23:03 |
| S41 | 7 | ("3700083" "4267912" "4413715" "4566568" "4677868" "4732247" "4823631").PN. | US-PGRUB; USPAT; USOCR | OR | ON | 2009/06/04 23:35 |
| S42 | 15 | Synchron\$8 adj ring same radial same (lubrica\$4 oil) | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/05 11:39 |
| S43 | 0 | "19853856" | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/05 11:45 |
| S44 | 1 | "20050016307".pn. | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/05 14:33 |
| S47 | 5 | "7258214" | US-PGRUB; USPAT; FPRS; EPO; JPO | OR | ON | 2009/06/05 16:19 |

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| S48 | 3 | ("4698889" "4886831" "5788036").PN. OR ("6547052").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/01/19 19:12 |
| S49 | 3 | 192/53.32.53.34.cds. and @pd> "20090605" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 19:17 |
| S50 | 167 | 192/53.32.53.34.cds. and ((synchro\$8 near2 ring) blocker) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 19:19 |
| S52 | 163 | "29".cls. and ((synchro\$8 near2 ring) blocker) not S50 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 19:38 |
| S53 | 331 | S48 S49 S50 S52 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 20:05 |
| S54 | 33 | 192/107R,108.cds. and ((synchro\$8 near2 ring) blocker) not S53 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 20:07 |
| S55 | 17 | 192/53.1.cds. and ((synchro\$8 near2 ring) blocker) not S53 not S54 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 20:11 |
| S56 | 2 | 192/113.1,113.5.cds. and ((synchro\$8 near2 ring) blocker) not S53 not S54 not S55 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 20:18 |
| S59 | 101 | (bond\$3 weld\$3) same lubrica \$4 same (radial near3 (gap hole opening passage)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 21:14 |
| S65 | 35 | ((synchro\$8 near2 ring) blocker) and (driver near2 ring) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/19 23:59 |
| S66 | 2 | ("2380559").URPN. | USPAT | OR | ON | 2010/01/20 00:09 |
| S68 | 65 | (josef near2 schwuger).inv. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2010/01/20 00:19 |
| S85 | 2 | "3519811".pn. | DERWENT | OR | ON | 2010/01/20 11:31 |
| S89 | 5 | (Hoerbiger near Antriebstechnik near GmbH).as. and ((synchro \$8 near2 ring) block\$2) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 11:53 |
| S90 | 2 | (Hoerbiger near Antriebstechnik near GmbH).as. and ((synchro \$8) block\$2) not S89 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 11:53 |
| S92 | 9 | "19853894".pn. "3225364".pn. "3808460".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2010/01/20 12:18 |
| S94 | 36 | 192/113.34.cds. and synchro\$8 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 17:57 |
| S96 | 1017 | 74/339.cds. not 192/53.32.53.34.cds. | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 18:00 |

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|------|------|----------------------------------------------------------------|---------------------------------|----|----|---------------------|
| S98 | 517 | 74/339.cds. not 192/53.32,53.34.cds. and synchro\$8 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 18:03 |
| S101 | 1067 | f16d023/06.ipc. not 192/53.32,53.34.cds. not S98 not S94 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 18:33 |
| S102 | 496 | 74/339.cds. not 192/53.32,53.34.cds. not S98 not S101 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2010/01/20 23:23 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|---------|------------------|
| S104 | 25 | (synchro\$8 and (gear teeth) and (cone ring clutch) and (driver stop flange spline) and (radial near2 (gap groove opening hole passage))) .clm. | US-PGPUB; USPAT; UPAD | OR | ON | 2010/01/21 13:51 |

1/22/2010 2:13:58 PM

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STOP CONTROL\10586242 SYNCHRONIZATION DEVICE FOR A CHANGE SPEED GEAR.wsp